

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/001037

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F24F1/02 F25D17/02 F25D31/00 H05K7/20				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F24F F25D H05K F25B H02B				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	DE 44 13 130 A (LOH KG RITTAL WERK) 26 October 1995 (1995-10-26) column 1, line 34-51; figure 1 column 2, line 14-21 column 2, line 36-44 column 3, line 53-57 column 3, line 59-64 column 4, line 46-52 ---	1-9		
Y	FR 2 770 897 A (OULOUNIS KAMAL) 14 May 1999 (1999-05-14) page 1, line 1,2; figures 2,3 page 1, line 22-28 page 2, line 7,8 page 2, line 15-27 ---	1-4		
-/--		EXPRESS MAIL NO. EV733141 94645 MAILED 07 October 2005		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.				
* Special categories of cited documents :				
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top;"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family </td> </tr> </table>			*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family			
Date of the actual completion of the international search <div style="text-align: center;">13 May 2004</div>		Date of mailing of the International search report <div style="text-align: center;">26/05/2004</div>		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center;">Léandre, A</div>		

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/001037

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 776 180 A (PATTON SR JAMES M ET AL) 11 October 1988 (1988-10-11) column 5, line 36-43; figures 1,2 ---	4
Y	US 5 839 295 A (LEHMANN WALTER E) 24 November 1998 (1998-11-24) column 4, line 46-48 column 4, line 56-58; figure 3 column 4, line 59,60 column 5, line 43-46 ---	5
Y	DE 199 21 554 A (BADER ENGINEERING GMBH) 25 November 1999 (1999-11-25) column 3, line 37-41; figures 1,3 ---	6,7,9
Y	GB 1 537 821 A (MK REFRIGERATION LTD) 10 January 1979 (1979-01-10) , sentences 65-68; figure 1 ---	8
A	US 2002/166334 A1 (HOUK THOMAS I ET AL) 14 November 2002 (2002-11-14) page 5, column 2, paragraph 37; figure 8 claim 3 ---	6
A	EP 1 026 932 A (BURN HEINZ) 9 August 2000 (2000-08-09) column 6, paragraph 34 column 7, paragraph 42 ---	6
A	CONTINO J ET AL: "Water-cooling applications for telecommunications and computer energy systems" , PAGE(S) 441-447 XP010078308 -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/001037

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4413130	A	26-10-1995	DE 4413130 A1	26-10-1995
FR 2770897	A	14-05-1999	FR 2770897 A1	14-05-1999
US 4776180	A	11-10-1988	NONE	
US 5839295	A	24-11-1998	NONE	
DE 19921554	A	25-11-1999	DE 19921554 A1	25-11-1999
			DE 19921674 A1	18-11-1999
			DE 29908370 U1	30-09-1999
GB 1537821	A	10-01-1979	NONE	
US 2002166334	A1	14-11-2002	NONE	
EP 1026932	A	09-08-2000	DE 29901658 U1	13-07-2000
			DE 19917641 A1	31-08-2000
			EP 1026932 A2	09-08-2000